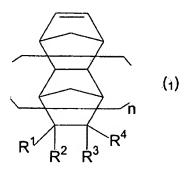
## **AMENDMENTS TO THE CLAIMS**

1. (Currently amended) A radiation sensitive resin composition which is capable of forming a positive pattern resin film which comprises (A) an alicyclic olefin resin soluble in an alkali, (B) an acid-generating agent, (C) a crosslinking agent and (D) a solvent, wherein the alicyclic resin soluble in an alkali is a ring-opening polymer having an acidic group which is obtained by ring-opening polymerization of a polymerizable monomer comprising an alicyclic olefin monomer having an acidic group in a presence of a catalyst comprising ruthenium, followed by hydrogenating an obtained polymer,

wherein the catalyst comprising ruthenium is a catalyst comprising as a main component an organoruthenium compound in which a neutral electron-donating ligand is coordinated.

wherein said crosslinking agent is a compound capable of forming a crosslinked structure between molecules of the crosslinking agent by heating.

- 2. (Original) A radiation sensitive resin composition according to Claim 1, wherein the acidic group is carboxyl group or phenolic hydroxyl group.
- 3. (Original) A radiation sensitive resin composition according to Claim 1, wherein the alicyclic olefin monomer having an acidic group is an alicyclic olefin monomer represented by following formula (1):



wherein  $R^1$  to  $R^4$  each independently represent hydrogen atom or a group represented by  $-X_m$ -

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R', X representing a divalent group, m representing 0 or 1, and R' representing an alkyl group

having 1 to 7 carbon atoms which may have substituents, an aromatic group or an acidic group;

at least one of  $R^1$  to  $R^4$  represents a group represented by  $-X_m-R'$  in which R' represents an

acidic group; and n represents an integer of 0 to 2.

4. (Canceled)

5. (Previously presented) A radiation sensitive resin composition according to Claim 1, wherein

the neutral electron-donating ligand is a heterocyclic carbene compound having nitrogen atom.

6. (Original) A radiation sensitive resin composition according to Claim 1, wherein the

polymerizable monomer further comprises an alicyclic olefin monomer in which a group having

an aromatic group and an aprotic polar group are bonded.

7. (Canceled)

8. (Previously presented) A transparent resin pattern film formed in accordance with a process

described in Claim 10.

9. (Original) A resin film for electronic parts comprising a resin pattern film described in Claim

8.

10. (Currently amended) A process for forming a positive pattern resin pattern film on a substrate

which comprises laminating a resin film comprising a radiation sensitive resin composition

which comprises (A) an alicyclic olefin resin soluble in an alkali, (B) an acid-generating agent,

(C) a crosslinking agent and (D) a solvent, wherein the alicyclic resin soluble in an alkali is a

ring-opening polymer having an acidic group which is obtained by ring-opening polymerization

of a polymerizable monomer comprising an alicyclic olefin monomer having an acidic group in a

presence of a catalyst comprising ruthenium, followed by hydrogenating an obtained polymer to

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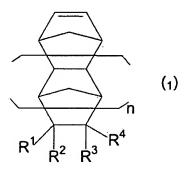
the substrate, irradiating said resin film with an active radiation to form a latent <u>positive</u> pattern in the resin film and developing a <u>pattern</u> the <u>pattern</u> by bringing the resin film having the latent pattern into contact with a developing solution <u>to obtain a developed pattern</u>, and <u>post-baking by</u> heating to cure the obtained pattern,

wherein the catalyst comprising ruthenium is a catalyst comprising as a main component an organoruthenium compound in which a neutral electron-donating ligand is coordinated,

wherein said crosslinking agent is a compound capable of forming a crosslinked structure between molecules of the crosslinking agent by heating.

11. (Previously presented) A process according to Claim 10, wherein the acidic group is carboxyl group or phenolic hydroxyl group.

12. (Previously presented) A process according to Claim 10, wherein the alicyclic olefin monomer having an acidic group is an alicyclic olefin monomer represented by following formula (1):



wherein  $R^1$  to  $R^4$  each independently represent hydrogen atom or a group represented by  $-X_m$ - $R^2$ , X representing a divalent group, m representing 0 or 1, and  $R^2$  representing an alkyl group having 1 to 7 carbon atoms which may have substituents, an aromatic group or an acidic group; at least one of  $R^1$  to  $R^4$  represents a group represented by  $-X_m$ - $R^2$  in which  $R^2$  represents an acidic group; and m represents an integer of 0 to 2.

13. (Previously presented) A process according to Claim 10, wherein the catalyst comprising

ruthenium is a catalyst comprising as a main component an organoruthenium compound in

which a neutral electron-donating ligand is coordinated.

14. (Previously presented) A process according to Claim 13, wherein the neutral electron-

donating ligand is a heterocyclic carbene compound having nitrogen atom.

15. (Previously presented) A process according to Claim 10, wherein the polymerizable

monomer further comprises an alicyclic olefin monomer in which a group having an aromatic

group and an aprotic polar group are bonded.

16. (New) A radiation sensitive resin composition according to Claim 1, wherein the acid-

generating agent is capable of providing a positive pattern.

17. (New) A radiation sensitive resin composition according to Claim 16, wherein the acid-

generating agent capable of providing a positive pattern is a quinonediazide sulfonic acid ester

obtained from a quinonediazidesulfonic acid halide and a phenol having at least one phenolic

hydroxyl group.

18. (New) A radiation sensitive resin composition according to Claim 17, wherein the

quinonediazidesulfonic acid halide is 1,2-naphthoquinone- diazide-5-sulfonic acid chloride.

19. (New) A radiation sensitive resin composition according to Claim 18, wherein the phenol is

selected from the group consisting of 2,3,4-trihydroxy- benzophenone, 2,3,4,4'-

tetrahydroxybenzophenone, 2-bis(4-hydroxy- phenyl)propane, tris(4-hydroxyphenyl)methane,

1,1,1-tris(4-hydroxy-3- methylphenyl)ethane, 1,1,2,2-tetrakis(4-hydroxyphenyl)ethane, 1,1,3-

tris- (2,5-dimethyl-4-hydroxyphenyl)-3-phenylpropane, an oligomer of novolak resins and an

oligomer obtained by copolymerization of phenols and dicyclopentadiene.

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20. (New) A process for forming a resin pattern film according to Claim 10, wherein the acid-

generating agent is capable of providing a positive pattern.

21 (New) A process for forming a resin pattern film according to Claim 20, wherein the acid-

generating agent capable of providing a positive pattern is a quinonediazide sulfonic acid ester

obtained from a quinonediazidesulfonic acid halide and a phenol having at least one phenolic

hydroxyl group.

22. (New) A process for forming a resin pattern film according to Claim 21, wherein the

quinonediazidesulfonic acid halide is 1,2-naphthoquinone- diazide-5-sulfonic acid chloride.

23. (New) A process for forming a resin pattern film according to Claim 22, wherein the phenol

is selected from the group consisting of 2,3,4-trihydroxy- benzophenone, 2,3,4,4'-

tetrahydroxybenzophenone, 2-bis(4-hydroxy-phenyl)propane, tris(4-hydroxyphenyl)methane,

1,1,1-tris(4-hydroxy-3- methylphenyl)ethane, 1,1,2,2-tetrakis(4-hydroxyphenyl)ethane, 1,1,3-

tris- (2,5-dimethyl-4-hydroxyphenyl)-3-phenylpropane, an oligomer of novolak resins and an

oligomer obtained by copolymerization of phenols and dicyclopentadiene.

24. (New) A resin film of a positive pattern which is formed of a radiation sensitive resin

composition which comprises (A) an alicyclic olefin resin soluble in an alkali, (B) an acid-

generating agent, (C) a crosslinking agent and (D) a solvent, wherein the alicyclic resin soluble

in an alkali is a ring-opening polymer having an acidic group which is obtained by ring-opening

polymerization of a polymerizable monomer comprising an alicyclic olefin monomer having an

acidic group in a presence of a catalyst comprising ruthenium, followed by hydrogenating an

obtained polymer,

wherein the catalyst comprising ruthenium is a catalyst comprising as a main component

an organoruthenium compound in which a neutral electron-donating ligand is coordinated,

wherein said crosslinking agent is a compound capable of forming a crosslinked structure

between molecules of the crosslinking agent by heating, and

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wherein said resin film formed of said resin composition is cured by heating (post baking) after the positive pattern of the resin film is developed.